	Application No.	Applicant(s)
	10/728,848 Examiner	KIM ET AL.
·		
	Terry L. Englund	2816
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS (therewith (or previously mailed), a Notice of Allowance (PTOL-85) of NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOT of the Office or upon petition by the applicant. See 37 CFR 1.313	OR REMAINS) CLOSED in this ap or other appropriate communication GHTS. This application is subject to	oplication. If not included n will be mailed in due course. THIS
1. A This communication is responsive to Amdt (Dec 20, 2005) a	and Interviews (Feb 28 & Mar 3, 20	<u>006)</u> .
2. X The allowed claim(s) is/are 1-3, and 5-12 (now renumbered	as 1-11, respectively for printing p	ourposes).
3. Acknowledgment is made of a claim for foreign priority und a) All b) Some⁺ c) None of the:		
Certified copies of the priority documents have l		
2. Certified copies of the priority documents have	· · · · · · · · · · · · · · · · · · ·	
Copies of the certified copies of the priority doct	uments have been received in this	national stage application from the
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" or noted below. Failure to timely comply will result in ABANDONME THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be submitted informal patent application (PTO-152) which gives		
5. CORRECTED DRAWINGS (as "replacement sheets") must	be submitted.	
(a) 🔲 including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) hereto or 2) to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	Amendment / Comment or in the 0	Office action of
Identifying indicia such as the application number (see 37 CFR 1.8 each sheet. Replacement sheet(s) should be labeled as such in the		
6. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT For	it of BIOLOGICAL MATERIAL I OR THE DEPOSIT OF BIOLOGIC	must be submitted. Note the CAL MATERIAL.
Attachment(s)	5 Notice of Information	Potent Application (DTO 450)
 Notice of References Cited (PTO-892) Notice of Draftperson's Patent Drawing Review (PTO-948) 	 i Notice of Informal F iii Notice of Informal F iii Notice of Informal F 	Patent Application (PTO-152)
	Paper No./Mail Da	ite <u>03032006</u> .
 Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 		
4. Examiner's Comment Regarding Requirement for Deposit	8. X Examiner's Statement	ent of Reasons for Allowance
of Biological Material	9.	
		TUMOTHY P. CALLAHAN SUPERVISORY PATENT EXAMINER

U.S. Patent and Trademark Office PTOL-37 (Rev. 7-05) TECHNOLOGY CENTER 2800
Part of Paper No./Mail Date 03032006

Application/Control Number: 10/728,848

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EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to the applicants, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with the applicants' representative Stephen D. Huang (Reg. No. 45,304) on Mar 3, 2006.

The application has been amended as follows:

Claim 3, line 3: changed "a signal" to --the external signal--;

line 4: changed "the signal" to --the external signal--;

Claim 8, line 4: added --second-- prior to "predetermined"; and

line 6: added --second-- prior to "predetermined".

The four changes to the two claims described above address/correct inadvertent type oversights by the examiner. The "signal" being received from an address pad, and then output into the tuning unit or an address decoder, as recited within claim 3, needed to be more clearly associated to one of the signals (i.e. test mode, external, and stored) that are received by the tuning unit as recited within claim 1. Otherwise, it would appear the tuning unit could receive four different types of signals, instead of three. Claim 8 was amended to distinguish its "predetermined control signal" from the "predetermined control signal" recited within claim 6. None of these changes affect the scope of the claim. They merely clarify the limitations, which were previously understood by the examiner, thus minimizing possible confusion with their wording.

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RESPONSE TO AMENDMENT

The amendment submitted on Dec 20, 2005 was reviewed and considered with the following results:

Amended claim 3 overcame it objection described in the previous Office Action, which has now been withdrawn. However, when the claim was reconsidered, it was noted there could be a possible problem with respect to the claim 3 phrases "a signal" and "the signal", and the signals received by the tuning unit cited in claim 1. This concern was addressed/corrected by the Examiner's Amendment described above.

Amended claim 1 overcame the rejections of claims 1-2 under 35 U.S.C. 102(b), with respect to Kim et al. Those rejections have been withdrawn because Kim et al. does not show or disclose the multiplexer as now recited within claim 1. This multiplexer limitation came from claim 4, which had been identified as allowable material in the previous Office Action. Since claim 1 now includes that limitation, claim 4 has been cancelled. [Note: The cancellation of claim 4, and amended claims 1 and 3 also overcame the objection of claim 3 being dependent on a rejected base claim.]

When all the active claims were reconsidered, another possible problem was noted within claim 8 with respect to its "predetermined control signal" since claim 6 cites a "predetermined control signal." Therefore, this concern was also addressed/corrected by the Examiner's Amendment described above.

There is no known objection or rejection remaining within the present application.

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

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None of the prior art references reviewed and considered shows or discloses an internal voltage generator as recited within independent claims 1 and 5. More specifically, none of the references clearly shows or discloses: 1) a multiplexer for selectively outputting output signals in response to a test mode signal as recited within independent claim 1 (upon which claims 2-3 depend), wherein the tuning unit also receives the same test mode signal; or 2) the specific combination of first/second test mode blocks, and data output unit as recited within claim 5 (upon which claims 6-12 depend), wherein the first/second test mode blocks, and the data output unit all receive the test mode signal. Since there is no motivation to modify or combine any prior art reference(s) to ensure all the recited limitations within either independent claim are met, the claims are deemed patentably distinct over the prior art of record.

Claims 1-3, and 5-12 are allowed, and have been renumbered as claims 1-11, respectively for printing purposes. The renumbering takes into account the cancellation of claim 4.

Any comments considered necessary by the applicants must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication, or previous communications, from the examiner should be directed to Terry L. Englund whose telephone number is (571) 272-1743. The examiner can normally be reached Monday-Friday from 7 AM to 3 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tim Callahan, can be reached on (571) 272-1740.

The new central official fax number is (571) 273-8300.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-1562.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Terry L. Englund

3 March 2006